U.S. Patent and Trademark Office; U.S. ĎEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

| Application Number     | 10/814,065               |  |
|------------------------|--------------------------|--|
| Filing Date            | 03-30-2004               |  |
| First Named Inventor   | Gregory G. Rose          |  |
| Title                  | Method and apparatus for |  |
| Art Unit               | 2437                     |  |
| Examiner Name          | PAUL E CALLAHAN          |  |
| Attorney Docket Number | PA392C1C2C2              |  |

| I hereby revoke a                                                                                                                                                                                                                |                                                                                                                                                                                                                   |                               |                        |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|--|--|--|
| I hereby revoke all previous powers of attorney given in the above-identified application.                                                                                                                                       |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| A Power of A                                                                                                                                                                                                                     | torney is submitted herewith.                                                                                                                                                                                     |                               |                        |  |  |  |
| I hereby appo<br>Number as mi<br>identified above                                                                                                                                                                                | ereby appoint Practitioner(s) associated with the following Customer mber as my/our allorney(s) or agent(s) to prosecute the application intified above, and to transact all business in the United States Patent |                               | 23696                  |  |  |  |
| and Trademai                                                                                                                                                                                                                     | and Trademark Office connected therewith:                                                                                                                                                                         |                               |                        |  |  |  |
| I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: |                                                                                                                                                                                                                   |                               |                        |  |  |  |
|                                                                                                                                                                                                                                  | Practitioner(s) Name                                                                                                                                                                                              |                               | Registration Number    |  |  |  |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                               |                        |  |  |  |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                               |                        |  |  |  |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                               |                        |  |  |  |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Please recognize or change the correspondence address for the above-identified application to:                                                                                                                                   |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| The address associated with the above-mentioned Customer Number.                                                                                                                                                                 |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| OR                                                                                                                                                                                                                               |                                                                                                                                                                                                                   |                               | ·                      |  |  |  |
| The address associated with Customer Number:  OR                                                                                                                                                                                 |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Firm or Individual Nam                                                                                                                                                                                                           | e                                                                                                                                                                                                                 |                               |                        |  |  |  |
| Address                                                                                                                                                                                                                          |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| City                                                                                                                                                                                                                             |                                                                                                                                                                                                                   | State                         | Zip                    |  |  |  |
| Country                                                                                                                                                                                                                          |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Telephone                                                                                                                                                                                                                        |                                                                                                                                                                                                                   | Emaîl                         |                        |  |  |  |
| I am the:  Applicant/Inventor.  OR                                                                                                                                                                                               |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on                                                                                      |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| SIGNATURE of Applicant or Assignee of Record                                                                                                                                                                                     |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Signature                                                                                                                                                                                                                        | lur                                                                                                                                                                                                               |                               | Date 3/19/2009         |  |  |  |
| Name                                                                                                                                                                                                                             | <sup>4</sup> Kenneth Vu •                                                                                                                                                                                         |                               | Telephone 858-658-5106 |  |  |  |
| Title and Company                                                                                                                                                                                                                | Patent Counsel, Sr                                                                                                                                                                                                |                               |                        |  |  |  |
| NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.                            |                                                                                                                                                                                                                   |                               |                        |  |  |  |
| Total of                                                                                                                                                                                                                         | 2forms are submitted                                                                                                                                                                                              | *Total of forms are submitted |                        |  |  |  |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of
  presenting evidence to a court, magistrate, or administrative tribunal, including disclosures
  to opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| STATEMEN                                                                                                                                                                                                                                    | T UNDER 37 CFR 3.73(b)                                                                                                              |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Applicant/Patent Owner: Gregory G. Rose                                                                                                                                                                                                     |                                                                                                                                     |  |  |  |
| Application No./Patent No.: 10/814,065                                                                                                                                                                                                      | Filed/Issue Date: 03-30-2004                                                                                                        |  |  |  |
| Titled: Method and apparatus for encrypting data in                                                                                                                                                                                         | a wireless communication system                                                                                                     |  |  |  |
| Qualcomm Incorporated . a                                                                                                                                                                                                                   | Corporation                                                                                                                         |  |  |  |
| (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.                                                                                                                                   |                                                                                                                                     |  |  |  |
| states that it is:                                                                                                                                                                                                                          |                                                                                                                                     |  |  |  |
| 1.                                                                                                                                                                                                                                          | in;                                                                                                                                 |  |  |  |
| 2. an assignee of less than the entire right, title, an (The extent (by percentage) of its ownership into                                                                                                                                   | d interest in erest is%); or                                                                                                        |  |  |  |
| 3. X the assignee of an undivided interest in the entire                                                                                                                                                                                    | ety of (a complete assignment from one of the joint inventors was made)                                                             |  |  |  |
| the patent application/patent identified above, by virtue of e                                                                                                                                                                              | ther:                                                                                                                               |  |  |  |
| An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 009254 , Frame 0375 , or for which a copy therefore is attached. |                                                                                                                                     |  |  |  |
| OR                                                                                                                                                                                                                                          | application/patent identified above, to the current assignee as follows:                                                            |  |  |  |
| 1. From:                                                                                                                                                                                                                                    | To:                                                                                                                                 |  |  |  |
| The document was recorded in the Ur                                                                                                                                                                                                         | nited States Patent and Trademark Office at                                                                                         |  |  |  |
| Reel, Fran                                                                                                                                                                                                                                  | or for which a copy thereof is attached.                                                                                            |  |  |  |
| 2. From:                                                                                                                                                                                                                                    | То:                                                                                                                                 |  |  |  |
|                                                                                                                                                                                                                                             | nited States Patent and Trademark Office at                                                                                         |  |  |  |
| Reel, Fran                                                                                                                                                                                                                                  | ne, or for which a copy thereof is attached.                                                                                        |  |  |  |
| 3. From;                                                                                                                                                                                                                                    | То:                                                                                                                                 |  |  |  |
| The document was recorded in the Ur                                                                                                                                                                                                         | nited States Patent and Trademark Office at                                                                                         |  |  |  |
| Reel, Fram                                                                                                                                                                                                                                  | e, or for which a copy thereof is attached.                                                                                         |  |  |  |
| Additional documents in the chain of title are lis                                                                                                                                                                                          | ted on a supplemental sheet(s).                                                                                                     |  |  |  |
| As required by 37 CFR 3.73(b)(1)(i), the documenta or concurrently is being, submitted for recordation put                                                                                                                                  | ry evidence of the chain of title from the original owner to the assignee was, rsuant to 37 CFR 3.11.                               |  |  |  |
| accordance with 37 CFR Part 3, to record the assign                                                                                                                                                                                         | final assignment document(s)) must be submitted to Assignment Division in ment in the records of the USPTO. <u>See</u> MPEP 302.08] |  |  |  |
| The undersigned (whose title is supplied below) is authorized                                                                                                                                                                               | d to act on behalf of the assignee.                                                                                                 |  |  |  |
| 1/1/1                                                                                                                                                                                                                                       | 3/19/2009                                                                                                                           |  |  |  |
| LSfgnature CSfgnature                                                                                                                                                                                                                       | Date                                                                                                                                |  |  |  |
| Kenneth Vu                                                                                                                                                                                                                                  | Patent Counsel, Sr                                                                                                                  |  |  |  |
| Printed or Typed Name                                                                                                                                                                                                                       | Title                                                                                                                               |  |  |  |

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.